**OPEN FILE REPORT 74-294** MURRYSVILLE QUADRANGLE UNITED STATES PENNSYLVANIA DEPARTMENT OF THE INTERIOR Prepared in cooperation with the 7.5 MINUTE SERIES (TOPOGRAPHIC) APPALACHIAN REGIONAL COMMISSION GEOLOGICAL SURVEY NW /4 GREENSBURG IS QUADRANGLE EXPLANATION Additional information is contained in a leaflet accompanying this map. MINERAL INDUSTRY MODIFICATIONS SM SURFACE (STRIP) MINE, NOT RECLAIMED Primarily coal but includes some developed for sand-stone and limestone; high-wall indicated by hachured SMh SURFACE MINE, RECLAIMED Modified primarily for housing, Educational, commercial, and industriel development. SMr SURFACE MINE, RECLAIMED BY GRADING Sub MINE SUBSIDENCE Areas in which surface patterns are indicative of mine subsidence (based in part on 1939 aerial photographs). RB REFUSE BANKS Primarily coal weste; most now ash and clinkers (red QUARRIES AND PITS Active and abandoned rock quarries and gravel pits. E OTHER EXCAVATIONS Primarily borrow pits. LAND DEVELOPMENT MODIFICATIONS H URBAN DEVELOPMENT fications, primarily after 1969, include: removal of parking lots. Major fills symbolized separately. PREDEVELOPMENT MODIFICATION Primerily removal of vegetation and removal and redistribution of topsoil; ultimete land use, mot identified during investi-LAND MODIFIED FOR TRANSPORTATION Primarily highway construction.
Modifications, primarily efter
1969, include extensive deep
excavations, shallow fills, and
redistribution of topsoil; local
removal of structures. Major
fills and steep cuts symbolized separately. EARTH AND ROCK FILLS Primarily st industrial, commercial, educational, and hous-ing sites and along transporta-tion routes; old fills in urban areas and narrow yard fills adjacent to houses generally not mapped. NEARLY VERTICAL CUTS Primarily cuts along highways and adjacent to commercial and industrial sites; includes highwalls in surface mines and some natural cliffs. OTHER MODIFICATIONS WATER IMPOUNDMENTS Primarily farm ponds, reservoirs, and settling basins; dams GULLIED LAND Primarily on cleared slopes and unprotected faces of fills. NORTH HONTIN, GOON Map based on 1973 cerial photographs and field reconnaissance, 1973-74. Base by U.S. Geological Survey, 1969. Research sponsored by the Appalachian This map has not been edited or re-Regional Commission under contract viewed for conformity with Geological Survey standards and nomenclature. CONTOUR INTERVAL 20 FEET PENNSYLVANIA DATUM IS MEAN SEA LEVEL UTM GRID AND 1969 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET QUADRANGLE LOCATION MAP OF LAND MODIFIED BY MAN IN PART OF THE MURRYSVILLE 7 1/2'QUADRANGLE, U.S. Geological Survey OPEN FILE MAP 74-294 ALLEGHENY COUNTY AND VICINITY, PENNSYLVANIA This map is praliminary and has not been adited for conformity with Goologisal Survey standards or nomenclature.

William E. Davies

Ennsylvania (murrysville quad.) modified Land. 1: 24,000 - 1

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